

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Time / Day	Mon, 26.6.2017	Tue, 27.6.2017	Wed, 28.6.2017	Thu, 29.6.2017	Fri, 30.6.2017
09:00 – 09:30	Welcome address	M. Strikman	U. Heinz	L. Bravina	H. Geissel
09:30 – 10:00	R. Bock	Q. Wang	J. Randrup	T. Boller	L. Rezzolla
10:00 – 10:30	P. Giubellino	O. Philipsen	C. Hartnack	P.O. Hess	A. Muronga
10:30 – 11:00	Coffee	Coffee	Coffee	Coffee	Coffee
11:00 – 11:30	R. Stock	H.-Th. Elze	S. Bass	F. Weber	L. Csernai
11:30 – 12:00	B. Müller	M. Schäfer	P. Levai	D. Bandyopadhyay	L. Tolos
12:00 – 12:30	P. Braun-Munzinger	J. Aichelin	I. Tserruya	K.H. Kampert	M. Gorenstein
12:30 – 14:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
14:00 – 14:30	N. Xu	J. Stachel	T. Stöhlker	T. Schilling	I. Mishustin
14:30 – 15:00	S. Hofmann	L. McLerran	W. Bauer	T. Haberer	M. Greiner
15:00 – 15:30	M. Itkis	B. Jacak	J. Rafelski	J. Cleymans	A. Faessler
15:30 – 16:00	Coffee	Coffee	Coffee	Coffee	A. Faessler
16:00 – 16:30	W. v.Oertzen	M. Gyulassy	Colloquium Dr. Alex Nielsen (Otto-Stern-Zentrum)	M. Amusia	Akademische Feier (Biozentrum Hörsaal B1) Dinner at Mensa Pi x Gaumen
16:30 – 17:00	D. Poenaru	J. Harris		A. Gal	
17:00 – 17:30	P.G. Reinhard	A. Dumitru		W. Trautmann	
17:30 – 18:00	R. Berger	T. Biro	Reception		
18:00 - End	Reception	light supper		light supper	

* to be confirmed

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Monday 26.6.2017

<i>Time</i>	<i>presenter</i>	<i>title</i>
9:00 – 9:30	Welcome address	
9:30 – 10:00	R. Bock	NN
10:00 – 10:30	P. Giubellino	NN
<i>10:30 – 11:00</i>	<i>Coffee</i>	
11:00 – 11:30	R. Stock	Discovery of hydrodynamic flow in relativistic heavy ion collisions: From shockwaves at the BeVaLaC to elliptic flow in baryon rich matter
11:30 – 12:00	B. Müller	Hot Spaghetti
12:00 – 12:30	P. Braun-Munzinger	Colliding relativistic nuclei: selected remarks on future opportunities and challenges
<i>12:30 – 14:00</i>	<i>Lunch break</i>	
14:00 – 14:30	N. Xu	QCD Medium Properties at Finite Baryon Density - Search for the QCD Critical Point in Heavy-Ion Collisions
14:30 – 15:00	S. Hofmann	New Elements at GSI
15:00 – 15:30	M. Itkis	Heavy and superheavy nuclei (experiment and theory)
<i>15:30 – 16:00</i>	<i>Coffee</i>	
16:00 – 16:30	W. v.Oertzen	Covalent binding on the Femto-scale
16:30 – 17:00	D. Poenaru	Alpha decay of nuclei interesting for synthesis of Z=119, 120 isotopes
17:00 – 17:30	P.G. Reinhard	Nuclear density-functional theory and fission of super-heavy elements
17:30 – 18:00	R. Berger	Nuclear structure and fundamental interactions from molecular studies
<i>18:00 - End</i>	<i>Reception</i>	

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Tuesday 27.6.2017

<i>time</i>	<i>presenter</i>	<i>title</i>
9:00 – 9:30	M. Strikman	Color fluctuation phenomena: from medium energies to the LHC
9:30 – 10:00	Q. Wang	Quantum kinetic equation by Wigner function
10:00 – 10:30	O. Philipsen	Towards a description of nuclear matter by finite density QCD
10:30 – 11:00	<i>Coffee</i>	
11:00 – 11:30	H.-Th. Elze	Quantumness generated by classical cellular automata
11:30 – 12:00	M. Schäfer	Power Flows in Complex Renewable Energy Networks
12:00 – 12:30	J. Aichelin	NN
12:30 – 14:00	<i>Lunch break</i>	
14:00 – 14:30	J. Stachel	Recent results on heavy flavor probes of the quark-gluon plasma from LHC
14:30 – 15:00	L. McLerran	Quarkyonic Matter for Even and Odd Numbers of Colors: Bose-Fermion Equivalence
15:00 – 15:30	B. Jacak	Why is hydrodynamics successful?
15:30 – 16:00	<i>Coffee</i>	
16:00 – 16:30	M. Gyulassy	Hydrodynamic flow vs strong field interference effects in AA
16:30 – 17:00	J. Harris	A Confluence of Ideas and Experiments
17:00 – 17:30	A. Dumitru	Bulk viscous corrections to Hard Thermal Loops in hot QCD
17:30 – 18:00	T. Biro	Entropy production with resetting events
18:00 - End	<i>light supper</i>	

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Wednesday 28.6.2017

<i>time</i>	<i>presenter</i>	<i>title</i>
9:00 – 9:30	U. Heinz	50 years of hydrodynamics for heavy-ion collisions: what's new?
9:30 – 10:00	J. Randrup	Fission Dynamics as Brownian Motion
10:00 – 10:30	C. Hartnack	Nuclear equation of state oder Asy-Eos
10:30 – 11:00	<i>Coffee</i>	
11:00 – 11:30	S. Bass	Determination of QGP Properties with a Global Bayesian Analysis
11:30 – 12:00	P. Levai	NN
12:00 – 12:30	I. Tserruya	Dileptons at low energies: prospects and challenges
12:30 – 14:00	<i>Lunch break</i>	
14:00 – 14:30	T. Stöhlker	NN
14:30 – 15:00	W. Bauer	From the little red books to hydrodynamics: my scientific interactions with my academic grandfather Walter
15:00 – 15:30	J. Rafelski	Spontaneous neutrino production in supercritical fields
15:30 – 16:00	<i>Coffee</i>	
16:00 – 18:00	Alex Nielsen	Memorial Colloquium: Gravitational wave astronomy
	Reception	

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Thursday 29.6.2017

<i>time</i>	<i>presenter</i>	<i>title</i>
9:00 – 9:30	L. Bravina	Study of Equilibration Conditions in Relativistic heavy Ion Collisions
9:30 – 10:00	T. Boller	Black Hole Imaging: Observational signatures of the pseudo-complex theory
10:00 – 10:30	P.O. Hess	Simulations of accretions disks at the frequency used of the Event Horizon Telescope and some comments on gravitational waves
<i>10:30 – 11:00</i>	<i>Coffee</i>	
11:00 – 11:30	F. Weber	Dense Matter in Neutron Stars
11:30 – 12:00	D. Bandyopadhyay	Neutron Stars: Exploring role of nuclear physics
12:00 – 12:30	K.H. Kampert	Ultra-High Energy Cosmic Rays - Physics and Astrophysics of the Most Energetic Particles in Nature
<i>12:30 – 14:00</i>	<i>Lunch break</i>	
14:00 – 14:30	T. Schilling	The strange, the soft and the unbalanced
14:30 – 15:00	T. Haberer	NN
15:00 – 15:30	J. Cleymans	The Physics Case for the FAIR Energy Region
<i>15:30 – 16:00</i>	<i>Coffee</i>	
16:00 – 16:30	M. Amusia	Photon absorption and electron scattering by endohedrals
16:30 – 17:00	A. Gal	Pion Assisted Dibaryons: the $d^*(2380)$
17:00 – 17:30	W. Trautmann	Collective motion and the equation of state
17:30 – 18:00		
<i>18:00 - End</i>	<i>light supper</i>	

program: FIAS International Symposium on Discoveries at the Frontiers of Science (FoS 2017)

Friday 30.6.2017

<i>time</i>	<i>presenter</i>	<i>title</i>
9:00 – 9:30	H. Geissel	NN
9:30 – 10:00	L. Rezzolla	Relativistic binary collisions
10:00 – 10:30	A. Muronga	Beyond Second Order Relativistic Fluid Dynamics
10:30 – 11:00	<i>Coffee</i>	
11:00 – 11:30	L. Csernai	Fluid Dynamics for Heavy Ions from the beginnings up to now
11:30 – 12:00	L. Tolos	The charming beauty of the strong interaction
12:00 – 12:30	M. Gorenstein	Limiting Temperature, Phase Transition(s), Crossover
12:30 – 14:00	<i>Lunch break</i>	
14:00 – 14:30	I. Mishustin	Matter, Antimatter and Dark Matter
14:30 – 15:00	M. Greiner	RENEWABLE ENERGY NETWORKS — a pledge for applied theoretical physics
15:00 – 16:00	A. Faessler	Concluding Remarks. - Was bleibt.
ab 16:30	Akademische Feier	